

*GLINUS RADIATUS* (AIZOACEAE), CHROMOSOME COUNT AND RANGE EXTENSION TO ARIZONA.—*Glinus radiatus* (Ruiz & Pav.) Rohrb. is a low, spreading, stellate-tomentulose, annual herb that occurs on banks of intermittent pools in desert habitats in Mexico, West Indies, Central America, South America, and Texas (Correll and Correll, *Aquatic and wetland plants of southwestern United States*, 1972). A collection from Baja California (*Brandegea*, no station cited) is mentioned by Wilson (N. Amer. Fl. 21:271. 1932) and Shreve and Wiggins (*Vegetation and flora of the Sonoran Desert*, 1964). This genus is not included in *Arizona flora* (Kearney and Pebbles, 1960), nor are any previous Arizona collections of *Glinus* on deposit in major Arizona herbaria. A small population of *G. radiatus* was recently discovered in Arizona: Maricopa Co., SE corner of sec. 2, T. 3N, R. 6E, Fort McDowell Quadrangle (USGS 7.5 minute series), 465 m, 22 Jun 1975, *Lane L1576* and *L1578*, ASU. The plants grew on slightly alkaline, gravelly, clay and loam soil on banks of an abandoned stock tank.

In October, 1975, an additional collection was made from the same population (*Keil and Lane L1785*, ASU), and buds were fixed in 4 chloroform: 3 ethanol: 1 glacial acetic acid (v:v), and stored in 70% ethanol. Anthers were stained in iron-acetocarmine and squashed in Hoyer's medium. The chromosome number was determined from meiotic microsporocytes to be  $n = 9$ . Mitra and Datta (Taxon 16:455. 1967) reported  $n = 18$  for *G. lotoides* L. and *G. oppositifolia* (L.) DC.; Subramanyam and Kamble (Taxon 16:343. 1967) reported the same number for the latter species. This first count for *G. radiatus* indicates that the base number for the genus is  $x = 9$ .

We are grateful to Dr. D. J. Pinkava and Mrs. Elinor Lehto for their recognition of the original collection (*Lane L1576*) as a species not previously recorded for Arizona. MEREDITH A. LANE and DAVID J. KEIL, Department of Botany and Microbiology, Arizona State University, Tempe 85281.

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